

Title (en)
NOVEL COMPOUND

Title (de)
NEUARTIGE VERBINDUNG

Title (fr)
NOUVEAU COMPOSÉ

Publication
EP 3196187 A4 20180418 (EN)

Application
EP 15823488 A 20150918

Priority
• JP 2014191964 A 20140919
• JP 2015004810 W 20150918

Abstract (en)
[origin: WO2016042781A1] Provided is a compound represented by formula (1). In formula (1), Ar is a substituted or unsubstituted ring-forming C6-30 aryl group, Ra are each a substituted or unsubstituted C1-15 alkyl group or a substituted or unsubstituted C3-15 cyclic alkyl group, Rb1 to Rb4 are each a halogen atom, a cyano group, a substituted or unsubstituted C1-15 alkyl group, or the like, Rc1 to Rc10 are each a hydrogen atom, a halogen atom, a cyano group, a substituted or unsubstituted C1-15 alkyl group, or the like, each * indicates the bonding position of any of Rc1 to Rc10 and a nitrogen atom, x is an integer of 0-3, y is an integer of 0-4, and each z is an integer of 0-5.

IPC 8 full level
C07C 211/61 (2006.01); **C09K 11/06** (2006.01); **H01L 51/50** (2006.01)

CPC (source: EP KR US)
C07C 211/50 (2013.01 - US); **C07C 211/61** (2013.01 - EP KR US); **C07C 255/50** (2013.01 - US); **C07C 255/58** (2013.01 - EP US); **C09K 11/06** (2013.01 - EP KR US); **H05B 33/14** (2013.01 - EP US); **H05B 33/20** (2013.01 - EP US); **H10K 50/00** (2023.02 - US); **H10K 85/622** (2023.02 - EP KR US); **H10K 85/633** (2023.02 - EP KR US); **H10K 85/649** (2023.02 - US); **H10K 85/652** (2023.02 - US); **H10K 85/654** (2023.02 - US); **C07C 2601/08** (2017.05 - EP US); **C07C 2601/14** (2017.05 - EP US); **C07C 2603/50** (2017.05 - EP US); **C09K 2211/1007** (2013.01 - EP US); **C09K 2211/1011** (2013.01 - EP KR US); **C09K 2211/1014** (2013.01 - EP US); **H10K 50/11** (2023.02 - US); **H10K 50/15** (2023.02 - EP US); **H10K 50/156** (2023.02 - US); **H10K 50/166** (2023.02 - US); **H10K 85/631** (2023.02 - EP US); **H10K 85/636** (2023.02 - EP US); **H10K 85/6572** (2023.02 - EP US); **H10K 85/6574** (2023.02 - EP US); **H10K 2102/301** (2023.02 - US)

Citation (search report)
No further relevant documents disclosed

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 10118889 B2 20181106; **US 2017117469 A1 20170427**; CN 106170474 A 20161130; CN 106170474 B 20181106; EP 3196187 A1 20170726; EP 3196187 A4 20180418; JP 2017036293 A 20170216; JP 6012889 B2 20161025; JP 6338630 B2 20180606; JP WO2016042781 A1 20170427; KR 101780605 B1 20170921; KR 101780621 B1 20170921; KR 102031678 B1 20191014; KR 20160137647 A 20161130; KR 20160140568 A 20161207; KR 20170046107 A 20170428; US 10435350 B2 20191008; US 2017183291 A1 20170629; US 2019023648 A1 20190124; US 9902687 B2 20180227; WO 2016042781 A1 20160324

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US 201715399295 A 20170105; CN 201580001476 A 20150918; EP 15823488 A 20150918; JP 2015004810 W 20150918; JP 2015560459 A 20150918; JP 2016180225 A 20160915; KR 20167001391 A 20150918; KR 20167031760 A 20150918; KR 20167031761 A 20150918; US 201514908929 A 20150918; US 201816141909 A 20180925